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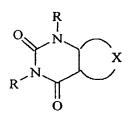
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(54) Title: PROTEIN TYROSINE PHOSPHATASE INHIBITOR



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(IV)

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(57) Abstract: Use of a compound of formula (I), wherein each R, which are the same or different, is H or C_1 - C_6 alkyl, and X completes a ring which is a substituted triazine having one of the following formulae (II) to (IV), wherein R' is H or C_1 - C_6 alkyl; or an enol tautomer of a compound of formula (I) in which any of the groups R or R' is hydrogen; in the manufacture of a medicament for use as a protein tyrosine phosphatase (PTP) inhibitor. Formula (I) embraces 2-methylfervenulone, which can be produced by fermentation of a novel microbial strain. Fermentation of the said strain also produces novel precursors to 2-methylfervenulone having utility as prodrugs.





 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D487/04 A61K31/53 A61P35/00 A61P3/10 //(C07D487/04,253:00,239:00) According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 CO7D A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) BIOSIS, EPO-Internal, CHEM ABS Data, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. "Products of the X AZEV YU A ET AL: interaction of fervenulin-3-one-4-oxide with o-phenylenediamines' KHIMIKO-FARMATSEVTICHESKII ZHURNAL vol. 34, no. 9, September 2000 (2000-09), pages 39-41, XP002186272 ISSN: 0023-1134 first paragraph and references 1 and 4 cited therein page 494 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: 'T' later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 22 January 2002 26/02/2002 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Goss, I

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